

## AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method comprising:  
predetermining content of a data stream prior to receiving a request for the data stream;  
~~receiving a request for a data stream from a client;~~  
~~sampling the data stream;~~  
~~generating one or more fingerprint blocks for one or more sampled portions of the~~  
based on the predetermined content of the data stream;  
~~transmitting the one or more fingerprint blocks to the client via a first connection~~  
prior to receiving the request; and  
receiving the request for the data stream; and  
~~transmitting the data stream in response to the request on-demand to the client via~~  
~~a second connection, wherein the on-demand transmitting of the data~~  
~~stream includes simultaneous transmission or delayed transmission~~  
~~according to a demand.~~
2. (Original) The method of claim 1, further comprising sending to the client  
~~parameters for sampling portions of the data stream according to sampling~~  
parameters.
3. (Original) The method of claim 1, wherein generating ~~one or more~~ fingerprint  
blocks comprises generating cyclic redundancy check (CRC) values for the ~~one or~~  
~~more~~ sampled portions of the data stream.

Claims 4-18 (Cancelled)

19. (Previously Presented) A ~~client system~~ comprising:
- ~~a processor~~ a storage medium; and
  - ~~a memory coupled to said processor having stored therein a set of instructions to~~
    - ~~cause said processor to:~~ a processor coupled to the storage medium, the
    - processor to:
    - predetermine content of a data stream prior to receiving a request for the
    - data stream;
    - generating the ~~receive a first set of fingerprint blocks from the server via a~~
    - first connection based on the predetermined content,
    - transmitting the fingerprint blocks via a first connection prior to receiving
    - the request;
    - receiving the request for the data stream; and
    - ~~receive~~ transmitting the data stream ~~on demand at the client~~ via a second
    - connection, wherein the ~~on-demand receiving~~ transmitting of the
    - data stream includes simultaneous reception or delayed reception
    - ~~according to a demand,~~
    - ~~sample the data stream at the client,~~
    - ~~generate a second set of fingerprint blocks for one or more sampled,~~
    - ~~portions of the data stream at the client, and~~
    - ~~compare the second set of fingerprint blocks to the first set of fingerprint~~
    - ~~blocks.~~

20. (Previously Presented) The ~~client system~~ of claim 19, wherein the first connection comprises an out-of-band connection, and the second connection comprises a primary data connection.
21. (Previously Presented) The client of claim 19, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate an error message ~~to the server if the~~ a second set of fingerprint blocks generated at the ~~client~~ does not match ~~the~~ a first set of fingerprint blocks ~~generated at the server~~.
22. (Previously Presented) The client of claim ~~19~~ 21, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate a valid status message ~~to the server if the~~ second set of fingerprint blocks generated at the ~~client~~ match the first set of fingerprint blocks ~~generated at the server~~.

Claims 23–27 (Cancelled)

28. (Previously Presented) ~~A~~ An article of manufacture comprising a machine readable medium having ~~stored thereon data representing~~ sets of instructions which, when executed ~~by a machine, cause the~~ cause a machine to:  
predetermine content of a data stream prior to receiving a request for the data stream;  
~~receive a request for a data stream from a client;~~  
~~sample the data stream;~~

~~generating-generate one or more fingerprint blocks for one or more sampled~~  
~~portions of the data stream~~ based on the predetermined content;  
transmit the ~~one or more fingerprint blocks to the client~~ via a first connection  
~~prior to receiving the request; and~~  
~~receiving the request for the data stream; and~~  
transmit the data stream ~~on-demand to the client~~ via a second connection, wherein  
the ~~on-demand~~-transmitting of the data stream includes simultaneous  
transmission delayed transmission ~~according to a demand~~.

29. (Previously Presented) The machine readable medium of claim 28, wherein the  
~~sets of instructions when executed by the machine, further cause~~ causing the  
machine to generate ~~one or more fingerprint blocks by~~ further cause the machine  
to generating-generate cyclic redundancy check (CRC) values for the ~~one or more~~  
sampled portions of the data stream.
30. (Previously Presented) The machine readable medium of claim ~~28~~ 29, wherein the  
~~sets of instructions when executed by the machine, further cause the machine to~~  
~~send to the client parameters for sampling~~ sampled portions are sampled via  
sampling parameters for sampling portions of the data stream.